

OverCEM SA

Dual-Curing Self-Adhesive Resin Cement



Indications for use

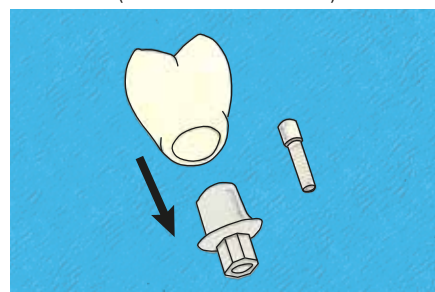
Crowns



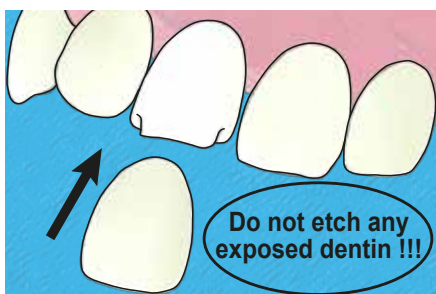
Bridges



Implant prostodontic
(Screwed metal-bonded)



Veneer crowns



Inlays/Onlays



Posts and dowels



Restoration surface treatments

Refer to the instructions of the material manufacturer, if not available apply the following procedures

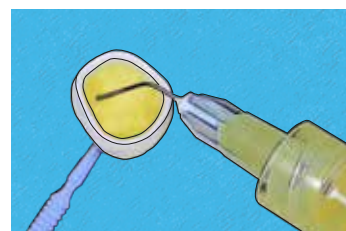
Lithium-disilicate and other glass-ceramics

Use hydrofluoric acid gel 9% for 30-60s then wash with water spray for at least 20s. (residual surface acidity can be neutralized with sodium bicarbonate 5% solution).

Apply a proper silane primer if wished, then air-dry with an oil-free airstream.



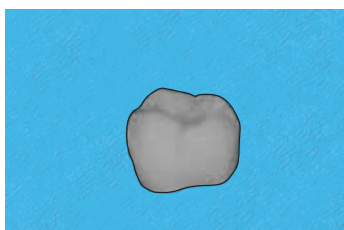
Lithium disilicate and other glass-ceramics



Etch with hydrofluoric acid gel for 30-60s

Metals, Zirconia and other poly-crystals ceramics

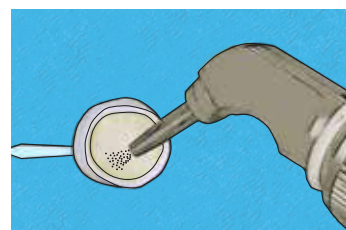
Air-abrade with aluminum-oxide crystals 50-80µm at 3-4 bar pressure, then perform ultrasonic treatment for 3 min in distilled water or ethanol.



Metal

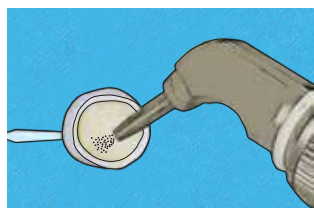


Zirconia and other poly-crystal ceramics



Air-abrade with Al₂O₃ crystals at 3-4 bar

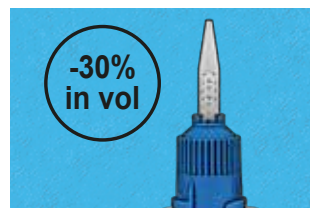
Cementation



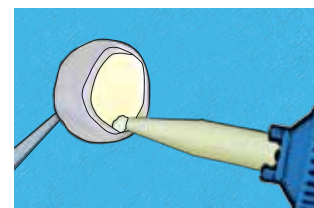
After the try-in procedures, clean and air-abrade the restoration inner surface



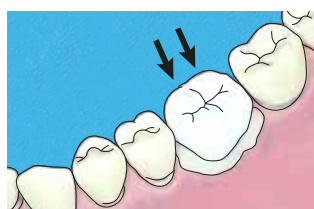
Perform the bleeding procedure until equal amounts of paste come out from the syringe



T-Mixer Regular tip
the smallest on the market



Mount the T-Mixer Regular tip on the syringe and apply the OverCEM SA cement



Carefully place the restoration on the abutment then wait at least 1 min for the cement reaction with the substrate



Polymerize the cement excess for 1-2s to induce gelification



Gently remove all the cement remnants using a scaler and dental floss

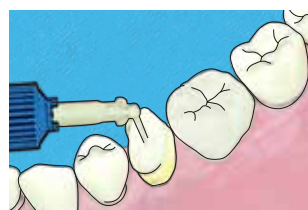
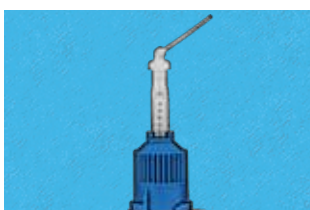


Complete the cement polymerization (20s per surface for a >1000mW/cm² lamp)

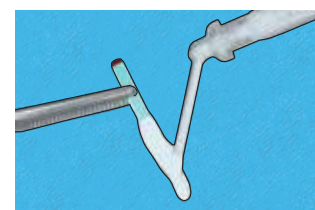
Posts and dowels cementation



Perform the bleeding procedure until equal amounts of paste come out from the syringe. Mount the T-Mixer Wide + Endo Tip and insert it on the syringe.



Inject OverCEM SA into the root canal. Slowly extract the tip while continuing to inject the cement.



Evenly distribute the cement also on the post surface making sure it is utterly covered.



Insert the post in the root canal making sure that all the tooth intaglio surfaces are covered by the cement.



Remove the colored head with a diamond bur and wet the fibers with a thin layer of cement, then polymerize the cement for at least 40s. Direct the flow parallel to the post axis.



Continue the restoration making the composite core using a suitable build-up composite.

OverCEM SA	Version	Working Time	Setting Time	Working Time	Setting Time	Light-curing Occlusal surface	Light-curing any other surface	Light-curing of posts
		35°C		23°C				
	Universal	01:30	04:00	03:00	06:00	00:20	00:20	00:40
	Translucent	01:30	04:00	03:00	06:00	00:20	00:20	00:40
	Opaque	01:30	04:00	03:00	06:00	00:30	00:30	00:60

NOTE: times indicated above are referring to initial temperature of cement 23°C/73.4F.

If cement is stored in a cooler, it is recommended to take it out at least one hour before its use.